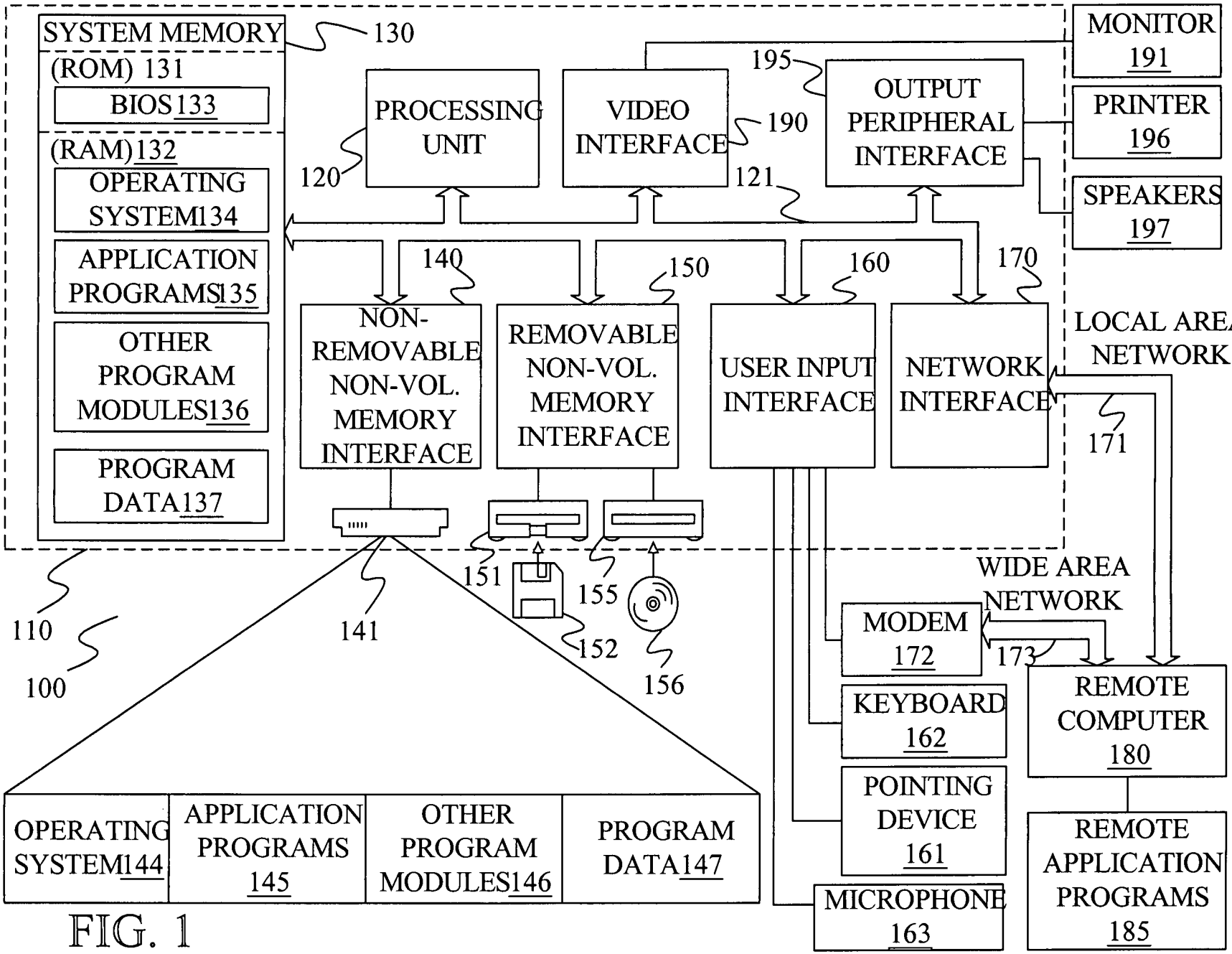
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FIG. 1

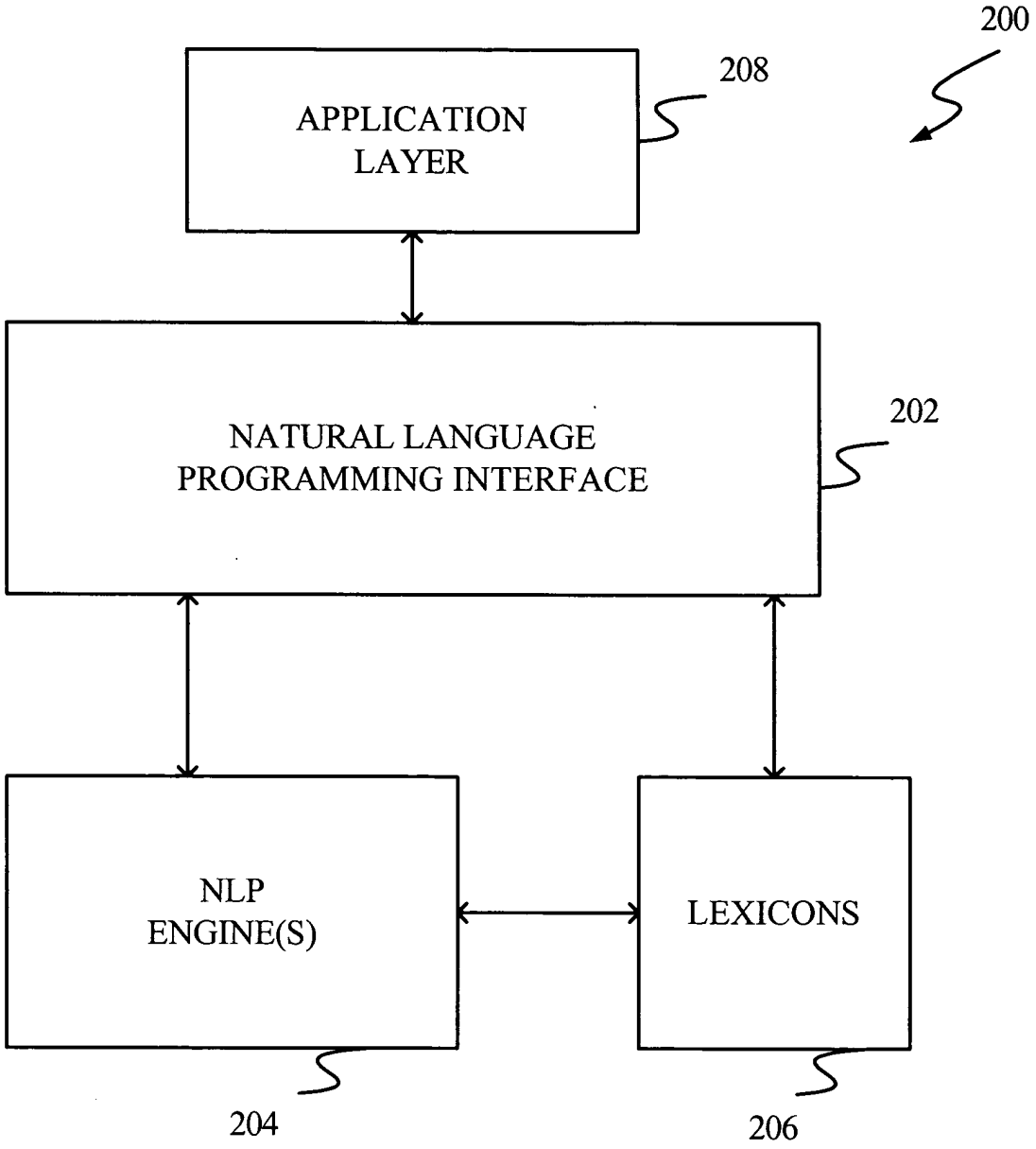
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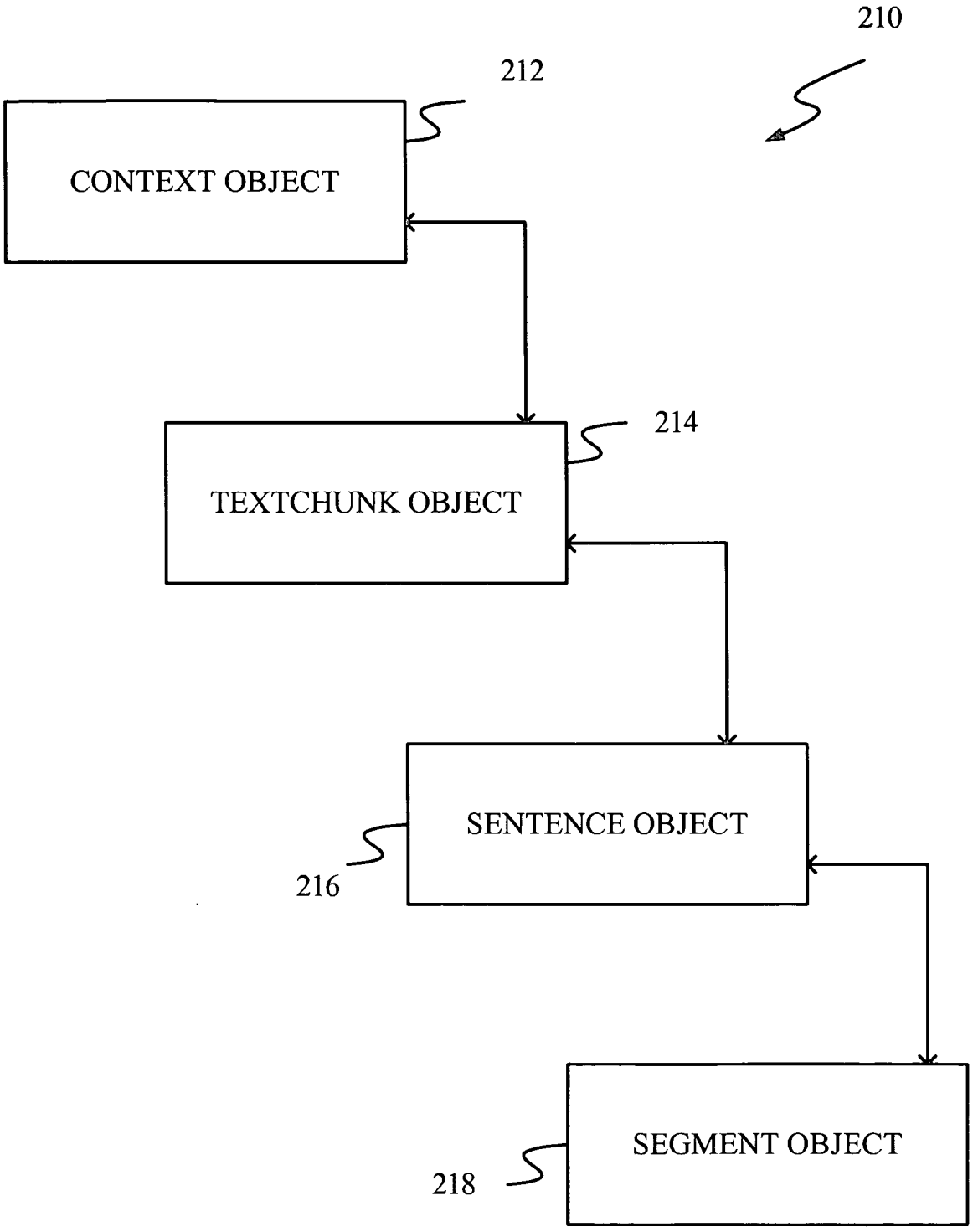
FIG. 2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CONTEXT OBJECT
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TEXTCHUNK OBJECT
SENTENCE OBJECT
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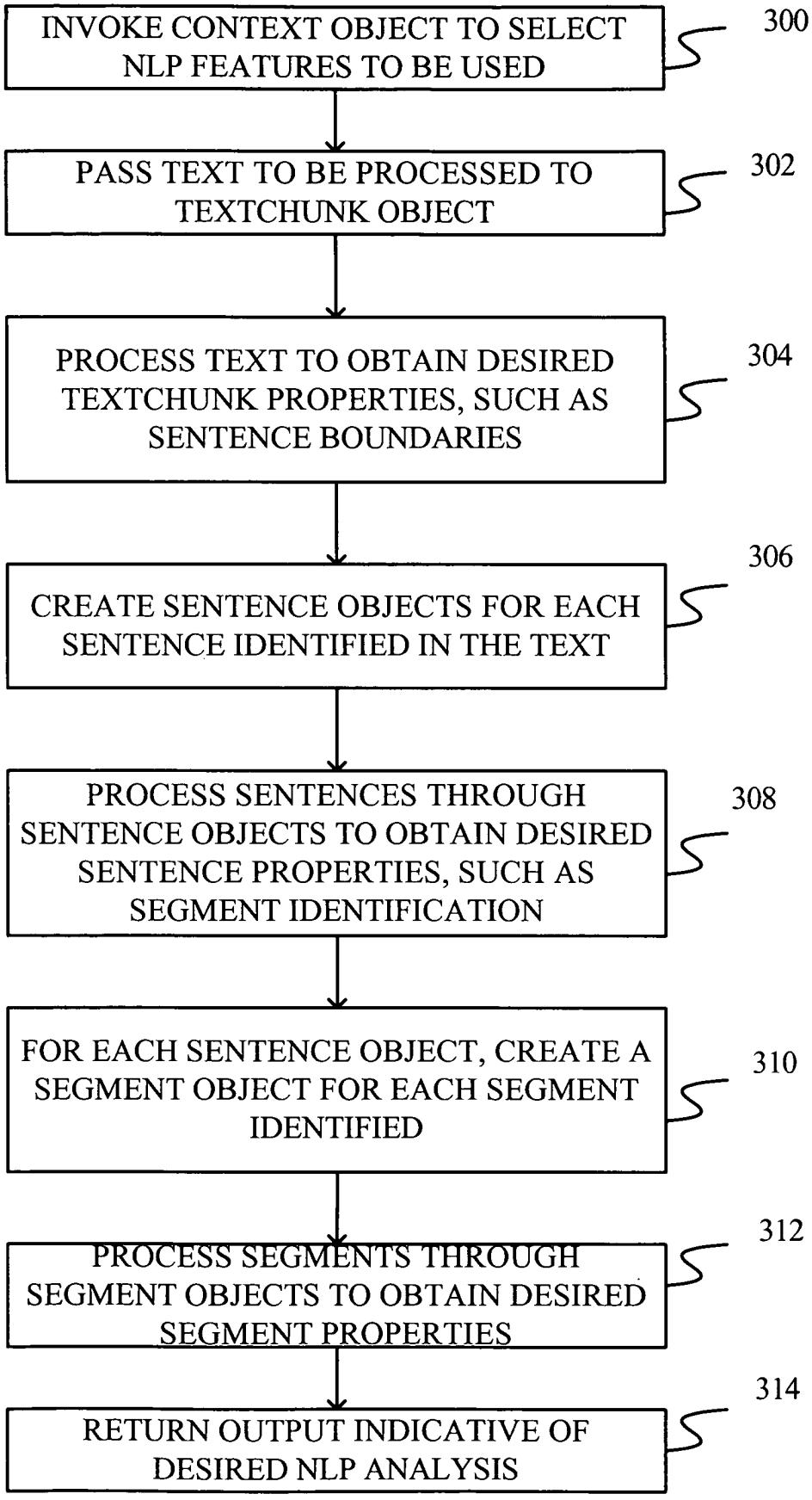
SEGMENT OBJECT
218

FIG. 3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PASS TEXT TO BE PROCESSED TO TEXTCHUNK OBJECT
302
PROCESS TEXT TO OBTAIN DESIRED TEXTCHUNK PROPERTIES, SUCH AS SENTENCE BOUNDARIES
304
CREATE SENTENCE OBJECTS FOR EACH SENTENCE IDENTIFIED IN THE TEXT
306
PROCESS SENTENCES THROUGH SENTENCE OBJECTS TO OBTAIN DESIRED SENTENCE PROPERTIES, SUCH AS SEGMENT IDENTIFICATION
308
FOR EACH SENTENCE OBJECT, CREATE A SEGMENT OBJECT FOR EACH SEGMENT IDENTIFIED
310
PROCESS SEGMENTS THROUGH SEGMENT OBJECTS TO OBTAIN DESIRED SEGMENT PROPERTIES
312
RETURN OUTPUT INDICATIVE OF DESIRED NLP ANALYSIS
314

FIG. 4

Surface string = *"Send email to George Bush. Forwarf to Bill Gates."*

- Sentence = "Send email to George Bush."
  - Segment = "Send"
  - Segment = "email"
  - Segment = "to"
  - Segment = "George Bush" NE, Person Name
    - -- SubSegment = "George" NE, First Name
    - -- SubSegment = "Bush" NE, Last Name
- Sentence = "Forwarf to Bill Gates."
  - Segment = "Forwarf" Misspelling
    - -- SpellingSuggestion = "Forward"
  - Segment = "to"
  - Segment = "Bill Gates" NE, Person Name
    - -- SubSegment = "Bill" NE, First Name
    - -- SubSegment = "Gates" NE, Last Name

FIG. 5